CLAIMS

1. A processor for safe processing of audio/video data, comprising

a descrambler

a decoder

an A/V converter

an internal memory module, enabling recording at least one audio/video data stream and simultaneous playback of at least one recorded audio/video data stream with a controlled delay,

a data transfer controller, controlling the transfer of audio/video data streams between the descrambler, the internal memory module and the decoder,

where the output of the descrambler is connected to one of the inputs of the data transfer controller, one of the outputs of the data transfer controller is connected to the input of the decoder, the data transfer controller is connected bidirectionally to the internal memory module, and the output of the decoder is connected to the input of the A/V converter.

2. The processor according to claim 1, further comprising

an external memory interface connected bidirectionally to the external memory module, enabling recording at least one audio/video data stream and simultaneous playback of at least one recorded audio/video data stream with a controlled delay,

where the external memory interface is further bidirectionally connected with the data transfer controller and the internal memory module.

3. A method of protecting audio/video data in a processor for processing audio/video data,

transmitted between the broadcaster and the receiver, with the use of a security tag, by which the selected data streams are tagged,

the method comprising the steps of

checking in the data flow controller of the processor if the received audio/video stream contains a security tag,

and depending on the status of the tag,

allowing the audio/video data stream to be recorded only in the internal memory of the processor

or allowing the audio/video data stream to be recorded either in the internal memory of the processor or the external memory module, coupled with the processor via an external memory interface built in the processor.

4. The method, according to claim 3, further comprising the steps of

in the event of lack of the security tag in the processed audio/video data stream, allowing the audio/video data stream to be recorded either in the internal memory module or in the external memory module.

5. The method, according to claim 3, further comprising the steps of

in the event of lack of the security tag in the processed audio/video data stream, allowing the audio/video data stream to be recorded only in the internal memory module.

6. The method, according to claim 3, further comprising the steps of

in the event of presence and active state of the security tag in the processed audio/video data stream, allowing the audio/video data stream to be recorded only in the internal memory module.

7. The method, according to claim 3, further comprising the steps of

in the event of the presence and inactive state of the security tag in the processed audio/video data stream, allowing the audio/video data stream to be recorded either in the internal memory module or in the external memory module.